



Using *Atlas of Science Literacy*

AAAS PROJECT 2061 PROFESSIONAL DEVELOPMENT WORKSHOP FOR EDUCATORS

Who should attend?

- K-12 science and mathematics teachers, administrators, and curriculum specialists
- Textbook adoption committee members
- University faculty (sciences, mathematics, education)
- Curriculum and assessment developers
- Educators and staff at informal science institutions



About *Atlas of Science Literacy*.

Atlas is an exciting two-volume resource that brings together nearly 100 strand maps developed by Project 2061 of the **American Association for the Advancement of Science** and co-published with the **National Science Teachers Association**. Strand maps present conceptual connections among the ideas and skills that all students need to learn in science, mathematics, and technology. Maps graphically display how students might progress in their understanding of topics such as gravity, natural selection, weather and climate, and statistical reasoning from kindergarten through grade 12.

About the *Atlas* workshop.

This three-day workshop will give you a new perspective on standards-based reform and a new tool for the work that lies ahead. You will use *Atlas* and other Project 2061 resources to enhance your understanding of science

literacy and to improve your curriculum, instruction, and assessment. The workshop will help you to:

- **Understand the *Atlas* Maps** To gain insights into the nature and purpose of maps, you will explore the "backmapping" process used to create the maps by trying it yourself on selected topics.
- **Clarify Standards** To shed light on local, state, and national standards, you will use *Atlas* maps to see how the connections among ideas and skills are a key to helping your students learn and a critical part of science literacy.
- **Change Classroom Practice** To understand how students progress in their mastery of ideas and skills, you will use *Atlas* maps to decide whether an instructional activity or assessment takes account of what your students already know and where they are going next.
- **Improve Curriculum** To design a more coherent and effective curriculum, you will learn how to use maps to think through the scope, sequence, and coordination of learning goals and to select materials, teaching strategies, and assessments that are well aligned to them.

When and where?

September 8-10, 2010
8:30 am - 4:00 pm
Telus World of Science
701 11 Street SW
Calgary, T2P 2M5, CANADA

For more information on Calgary and the Province of Alberta, CA, go to:

Visit Calgary: <http://www.visitcalgary.com/>
Travel Alberta: <http://www.travelalberta.com/>
Gov't. of Alberta Tourism, Parks & Recreation: <http://tpr.alberta.ca/>

How to register?

Use the registration form on the reverse side.

For more details visit:

www.project2061.org/workshops

With a mission of "Advancing Science, Serving Society," AAAS is the world's largest general science organization, publisher of the peer-reviewed journal *Science*, and an authoritative source that bridges gaps among scientists, policymakers, and the public. Project 2061—the education reform initiative founded by AAAS in 1985 to help all students become literate in science, mathematics, and technology—created the nation's first set of K-12 science learning goals, *Benchmarks for Science Literacy*, in 1993.

SPACE IS LIMITED; REGISTER TODAY AND SAVE!

AAAS/PROJECT 2061 WORKSHOP REGISTRATION FORM
Using *Atlas of Science Literacy*
American Association for the Advancement of Science
Calgary, CANADA—September 8–10, 2010

Contact Person _____

Title/Grade _____ Math Science

School/District _____

Address _____

City _____ State _____ Zip _____

Phone _____ Fax _____ Email _____
 (Needed for Confirmation)

Team Members _____

(List the names of all your team members. Each team member must complete a separate registration form.)

REGISTRATION FEES

Fee includes breakfast & lunch during the workshop. Fee does not include hotel accommodations.

	Early-Bird*	Regular
Teams	\$375/person	\$400/person
Individuals	\$425	\$450

** To qualify for the Early Bird discount, registrations must be received three weeks prior to the first day of each workshop.*

PAYMENT AMOUNT

Registration Fee (from fee list above) \$ _____

Books: Each participant is required to have a copy of each of the following books for use at the workshop. If you already own these books, please bring them with you to the workshop. If you do not own all of these books, order them below and pick them up at the workshop. Please call 202-326-6666 for more information.

Science for All Americans _____ copies @ \$18.95 each \$ _____

Benchmarks for Science Literacy _____ copies @ \$29.95 each \$ _____

*Atlas of Science Literacy, Vol. 1 **only*** _____ copies @ \$59.95 each \$ _____

*Atlas of Science Literacy, Vol. 2 **only*** _____ copies @ \$59.95 each \$ _____

Atlas of Science Literacy (two-volume set) _____ copies @ \$99.95 each \$ _____

Designs for Science Literacy _____ copies @ \$59.99 each \$ _____

Total Fees (registration fee + book costs) \$ _____

PAYMENT METHOD (select one)

- Check enclosed (Payable to AAAS/Project 2061).
- Invoice my organization:
- Purchase Order attached.
- Charge to: Visa MasterCard
 Discover Card American Express

Organization Name _____ Cardholder Name _____

Address _____ Card Number _____

City _____ State _____ Expiration Date _____

Zip _____ Attn _____ Cardholder Signature _____

Workshop Location:

Telus World of Science
 701 11 Street SW
 Calgary, T2P 2M5, CANADA

Workshop date:

September 8-10, 2010

Return this form to:

AAAS Project 2061
 Professional Development
 Programs
 ATTN: Cheryl Latson
 1200 New York Avenue, NW
 Washington, DC 20005

Phone: 202-326-6632
 Toll-Free: 888-PDP-2061
 FAX: 202-842-5196

Accommodations:

All workshop participants are responsible for the booking and payment (or cancellation) of their own accommodations.

You may find www.discovercalgary.com a useful tool for selecting your Calgary, CANADA lodging.

Cancellation Policy:

Registration fees are refundable if cancellations are received 15 days prior to the workshop. A \$50 processing fee will be charged. After the cancellation deadline, no refunds will be given. Participant substitutions may be made. While cancellations by AAAS Project 2061 are rare, in the event a workshop is cancelled only registration and book fees (in full) will be reimbursed. Participants who have incurred travel or other related costs will be responsible for those expenses.